INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/40074

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : C23C 16/00			
US CL : 118/726; 427/248.1			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S.: 118/715, 719, 724, 726; 427/248.1, 255.31, 255.33			
U.S 110/713, 113, 124, 120, 72/1240.1, 233.31, 233.33			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
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C. DOCU	JMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap		Relevant to claim No.
Y	US 4,951,601 A (MAYDAN et al) 28 August 1990 (28.08.1990), col. 2, lines 1-9 and col	31-33 and 61-70
	12, lines 13-19.		
Y	US 5,769,952 A (KOMINO) 23 June 1998 (23.06.1998), Figs. 1 and 7 and col. 5, lines 48-		
	59.		
Y	US 5,835,678 A (LI et al) 10 November 1998 (10.11	.1998), Figs. 1 and 2.	1-8, 19-35 and 53-60
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Y	US 5,980,983 A (GORDON) 09 November 1999 (09.11.1990), col. 2, lines 24-41 and col.		29, 32 and 33
	9, lines 54-60.		25
Y	US 6,074,487 A (YOSHIOKA et al) 13 June 2000 (13.06.2000), Fig. 11.		
Y	US 6,133,051 A (HINTERMAIER et al) 17 October 2000 (17.10.2000), col. 6, lines 37-53		21-26, 34 and 36-52
	and col. 14, lines 1-3.		60 4 60
Y	US 6,197,121 A (GURARY et al) 06 March 2001 (06.03.2001) Figs. 1-6.		59 and 60
		61-70	
Y	US 6,617,183 B (KADOTA et al) 09 September 2003 (09.09.2003) col. 4, line 6 to col. 5,		01-10
1	line 6.	j	
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Further	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "T" later document published after the international filing date or priority			
		date and not in conflict with the applic	eation but cited to understand the
"A" document defining the general state of the art which is not considered to be principle or theory underlying the invention			
of particular relevance "X" document of particular relevance; the claimed invention can			claimed invention cannot be
"E" earlier ap	plication or patent published on or after the international filing date	considered novel or cannot be conside when the document is taken alone	red to involve an inventive step
"L" document	which may throw doubts on priority claim(s) or which is cited to		
establish	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the	claimed invention cannot be
specified)		considered to involve an inventive step combined with one or more other such	
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th	
		& document member of the same patent	family
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed			
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